Appl. No.: 09/710,488 Inventor: WONG, Robert P. Docket No.: 36457.0200

Attorney: Phone:

R. Lee Fraley 602-382-6250



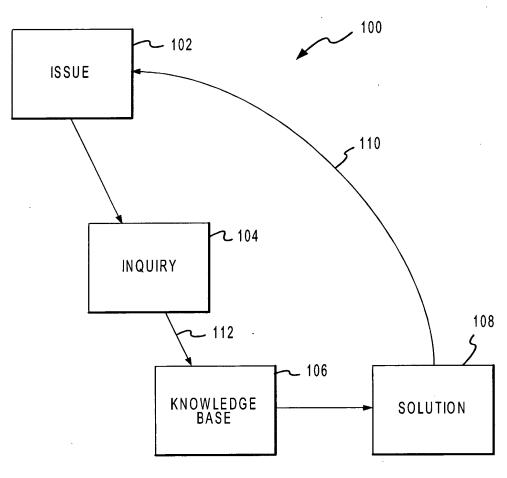


FIG.1

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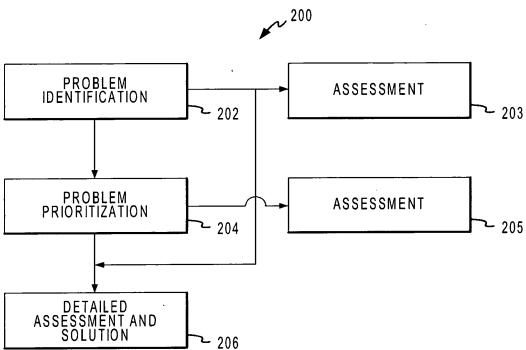


FIG.2

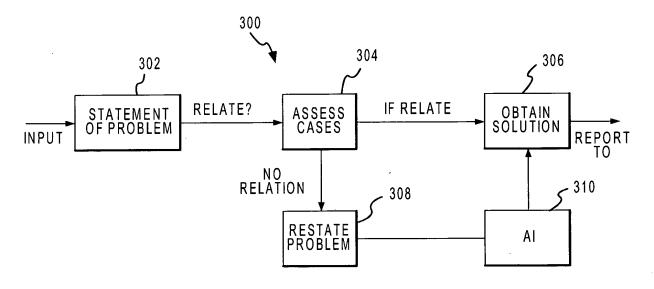
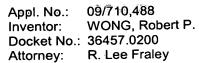
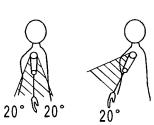


FIG.3



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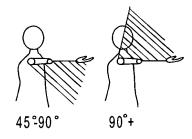


FIG.7

TASK/ACTION	RIGHT	LEFT	REMOVE
R-1 CUTTING OF LARGE SHELLS			
GRASP SHELL		1	
PLACE SHELL ON LATHE		5	
REMOVE WHILE ROTATING SHELL		5	
REPLACE SHELL		1	
LOWER LEVER	5		
RAISE LEVER	5		
R-2 CUTTING OF SMALL SHELLS	_		
GRASP SHELL		1	
PLACE SHELL ON LATHE		9	
REMOVE WHILE ROTATING SHELL		9	

FIG.4

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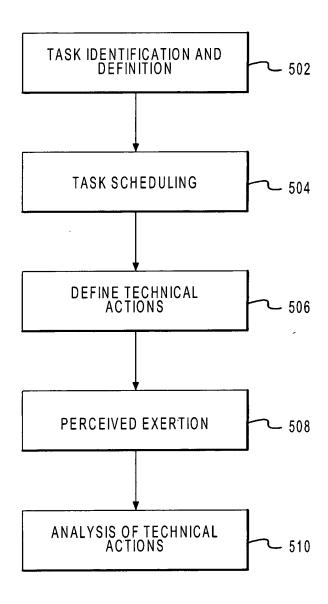


FIG.5

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0	NOTHING AT ALL
0.5	VERY, VERY WEAK (JUST NOTICEABLE)
1	VERY WEAK
2	WEAK (LIGHT)
3	MODERATE
4	SOMEWHAT STRONG
5	STRONG HEAVY
6	
7	VERY STRONG
8	
9	
10	VERY, VERY STRONG (ALMOST MAXIMUM)

FIG.6

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OTPE COS STATE STATE OF THE STA

	4.								0/3	
	SHOULDER SIDE	POSI	TION	SAND) MO\	/EMEI	NTS-I	.EFT		SHOULDER POSITIONS AND MOVEMENTS-RIGHT SIDE
	ABDUCTION	0	N/A		1/3		2/3		3/3	ABDUCTION N/A O 1/3 O 2/3 O 3/3
	FLEXION	0	N/A		1/3		2/3		3/3	FLEXION
	EXTENSION	0	N/A		1/3		2/3		3/3	EXTENSION O N/A O 1/3 O 2/3 O 3/3
	PERFO SAME TYP MORE THA	E IN'		∕ING)ER		PERFORMS WORK GESTURES OF THE SAME TYPE INVOLVING THE SHOULDER FOR MORE THAN 50% OF THE CYCLE/TASK TIME?
	WKEEPS 1 BY AN ANO IN EXTENS CONSECU (SHORT C' INCREASE THE STAT	GLE SION TIVE YCL PRO	MOF LFO ELY E). F OPO	RETI RAT ONC ORL RTIO	IAN LEA E EV ONO NAT	60 D ST 1 ERY SER ELY	EGF 0 SE CYC	EES CLE LE 1	OR	KEEPS THE ARM RAISED (UNSUPPORTED) BY AN ANGLE MORE THAN 60 DEGREES OR IN EXTENSION FOR AT LEAST 10 SEC. CONSECUTIVELY ONCE EVERY CYCLE (SHORT CYCLE). FOR LONGER CYCLE TIME INCREASE PROPORTIONATELY THE TIME OF THE STATIC CONTRACTION.
	KEEPS 1					<u> </u>		OR	ΓED)	KEEPS THE ARM RAISED (UNSUPPORTED)
	AT 60 DE	<u>GRE</u>	ES F			<u>INUT</u> JCT10		 	ION /	AT 60 DEGREES FOR>1 MINUTE EXTENSION
				•	\ \frac{\frac{1}{2}}{2}			LLA	R	EXTENSION CONTRACTOR OF THE PROPERTY OF THE PR
	ELBOW MOV	EME	NTS-	LEFT	SIDE					ELBOW MOVEMENTS-RIGHT SIDE
	SUPINATION	0	N/A	0	1/3		2/3		3/3	SUPINATION N/A O 1/3 O 2/3 O 3/3
	PRONATION	0	N/A		1/3		2/3		3/3	PRONATION O N/A O 1/3 O 2/3 O 3/3
	FLEXION	0	N/A		1/3		2/3		3/3	FLEXION
	PERFO SAME TYP MORE THA	E IN	VOL	VIN(3 TH	E EL	BOV	F TI V FC	HE R	PERFORMS WORK GESTURES OF THE SAME TYPE INVOLVING THE ELBOW FOR MORE THAN 50% OF THE CYCLE?
					c		ATIC	IN/DE		TION FLEXION
ı	SUPINATION/PRONATION FLEXION									

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R. Lee Fraley



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WRIST POSITIONS AND MOVEMENTS-RIGHT SIDE WRIST POSITIONS AND MOVEMENTS-LEFT SIDE 0 |EXTENSION| 🔯 EXTENSION | \bigcirc 1/3 N/A 1/3 2/3 3/3 N/A 2/3 3/3 \bigcirc \odot \bigcirc **IFLEXION** IFLEXION N/A 1/3 3/3 N/A 1/3 2/3 3/3 2/3 RADIAL **IRADIAL** \odot \odot DEVIATION DEVIATION 1/3 3/3 N/A 2/3 N/A 1/3 2/3 3/3 UI NAR UI NAR \bigcirc O O \odot DEVIATION 1/3 3/3 DEVIATION N/A 1/3 2/3 3/3 N/A 2/3 ☐ PERFORMS WORK GESTURES OF THE SAME TYPE INVOLVING THE WRIST FOR MORE THAN 50% OF THE CYCLE? ☐ PERFORMS WORK GESTURES OF THE SAME TYPE INVOLVING THE WRIST FOR MORE THAN 50% OF THE CYCLE? EXTENSION/FLEXION RADIAL/UI NAR TYPE OF GRIP AND FINGER MOVEMENTS-LEFT TYPE OF GRIP AND FINGER MOVEMENTS-RIGHT SIDE SIDE TIGHT TIGHT \odot \bigcirc \odot \bigcirc 0 O O 0 GRIP GRIP 2/3 N/A 1/3 2/3 3/3 N/A 1/3 3/3 (1.5CM)(1.5CM)0 \odot \odot **PINCH PINCH** N/A 3/3 N/A 1/3 2/3 3/3 1/3 2/3 **PALMAR** PALMAR \bigcirc \odot \bigcirc \Box O \odot \bigcirc N/A 1/3 2/3 3/3 N/A 1/3 2/3 3/3 **GRIP** GRIP HOOK HOOK \bigcirc 0 \odot 0 \bigcirc 0 2/3 N/A 1/3 2/3 3/3 N/A 1/3 3/3 GRIP GRIP **KEYING KEYING** \bigcirc 0 \odot 0 N/A 3/3 N/A 1/3 2/3 3/3 1/3 2/3 GRIP **GRIP** WIDE WIDE \odot ⊚ \bigcirc \bigcirc \circ GRIP (4- \bigcirc \bigcirc GRIP (4-1/3 N/A 1/3 2/3 3/3 N/A 2/3 5CM) 5CM) □ PERFORMS WORK GESTURES OF THE SAME TYPE INVOLVING THE SAME FINGER(S) FOR AT LEAST 50% OF THE CYCLE? □ PERFORMS WORK GESTURES OF THE SAME FINGER(S) FOR AT LEAST 50% OF THE CYCLE? ☐ HOLDS AND OBJECT IN A PINCH, PALMAR ☐ HOLDS AND OBJECT IN A PINCH, PALMAR OR HOOK GRIP FOR AT LEAST 50% OF OR HOOK GRIP FOR AT LEAST 50% OF CYCLE? CYCLE?

